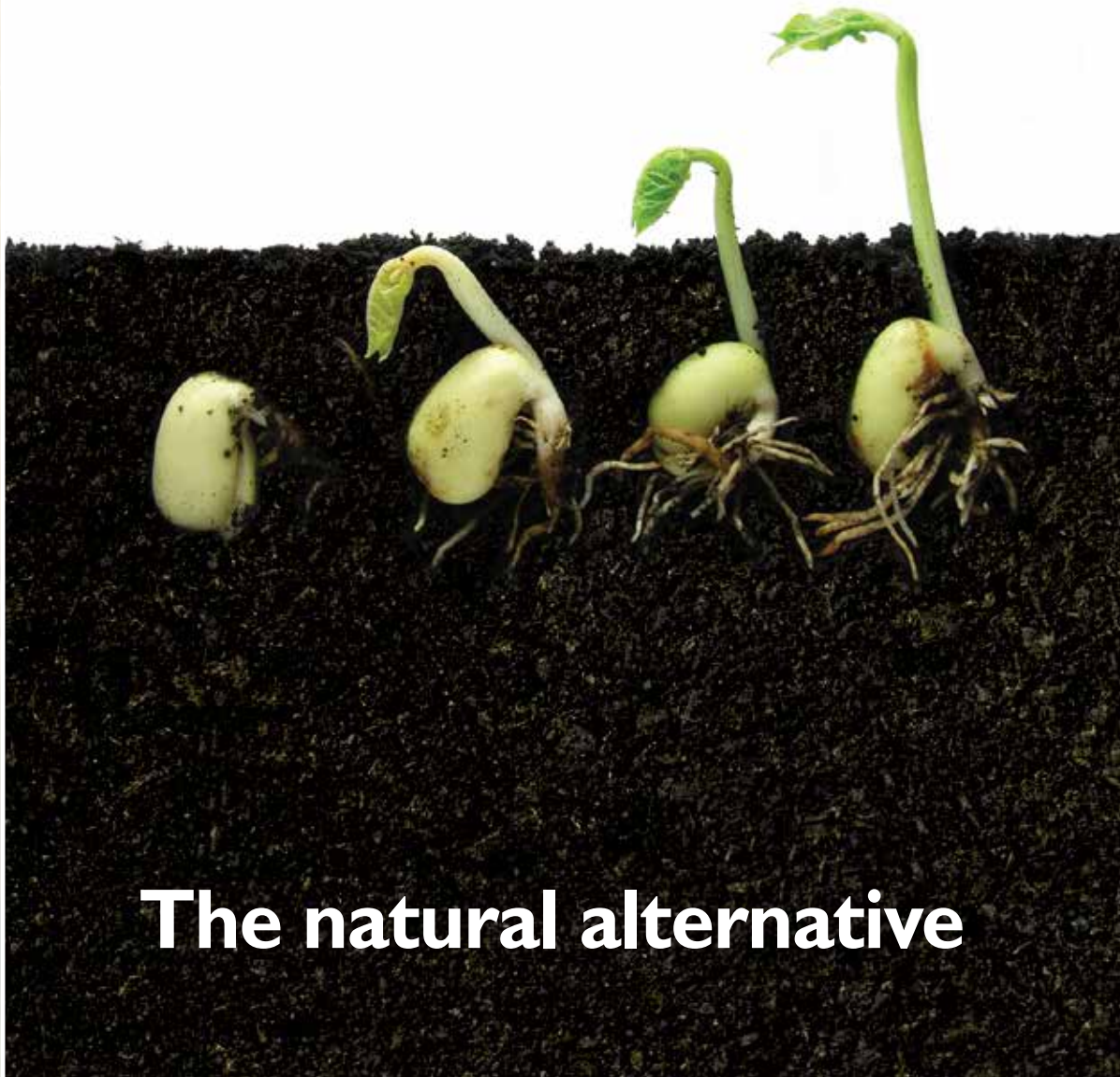




fgsorganics

Giving Nature a Helping Hand



The natural alternative



Compost



Digestate



Paper Crumble



Gypsum



Compost

A great start for your crops



FGS Organics supply, deliver and spread compost across the South and East of England. We offer a wide range of products derived either from green waste material and/or green and food waste included materials. These materials are composted to meet the standards of BSI PAS100 and the Compost Quality Protocol. We can also supply non-PAS100 material if preferred. Various grades of compost are available to best fit the end use, whether it is for use as a soil conditioner on arable land or for use as mulch in the horticultural market. Our team of FACTS qualified professionals are able to match your crop requirements with the nutrients available from an application of the product. FGS Organics arrange delivery of the material direct to you or you can collect BSI PAS100 standard compost direct from our Envar site in Cambridgeshire.

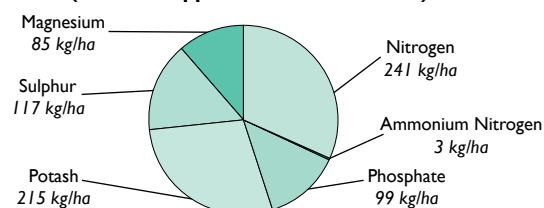
Green Compost

Benefits of open windrow green compost include:

- eligible for use in organic systems
- provides slow release major and micro nutrients
- improves soil structure / workability & rooting potential
- increases moisture retention & soil drainage
- good source of organic matter (average 7t/ha)

Average dry matter content: 57%

Green Compost: average kg/ha of nutrients from this product (based on application rate of 28t/ha)



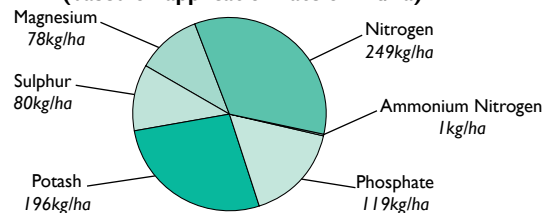
In Vessel Compost

Benefits of in vessel compost include:

- provides slow release major and micro nutrients
- improves soil structure / workability & rooting potential
- increases moisture retention & soil drainage
- good source of organic matter (average 6.4t/ha)

Average dry matter content: 49%

In Vessel Compost: average kg/ha of nutrients from this product (based on application rate of 24t/ha)



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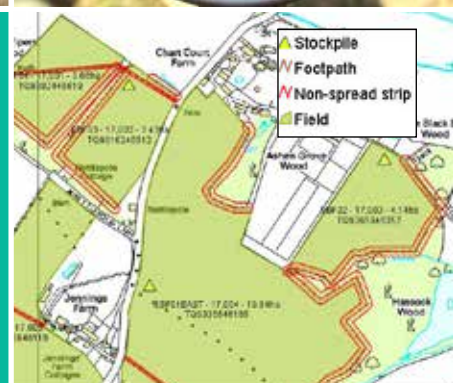


Digestate

Complete by-product recycling packages



With an increasing requirement to produce renewable energy within the UK, we are working with many Anaerobic Digestion (AD) operators to recycle the outputs from a variety of systems. These materials can be de-watered to produce two outputs; a dry and a liquid product which can be recycled to agriculture. The liquid has high available crop nutrients and can be utilised as a direct fertiliser replacement. The products are produced to PAS 110 standard. Through our sister company FGS Agri we are able to offer varied application methods ensuring the best application technologies are used.



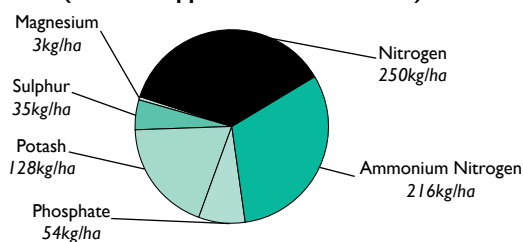
AD Digestate

Benefits of application include:

- crop available nutrients
- source of moisture
- sulphur additions during crop growth
- source of organic matter (average 3t/ha)

Average dry matter content: 4%

**Digestate: average kg/ha of nutrients from this product
(based on application rate of 52t/ha)**



Renewable Fertiliser Matrix for BSI PAS 110 Digestate		
Cropping Category	Pasteurised	
Fresh produce	Group one	✓ Before drilling or planting
	Group two	✓ Before drilling or planting
	Group three	✓ Before drilling or planting
Combinable and animal feed crops	✓	May be applied before and after drilling or planting
Grassland and forage - grazed	✓	Statutory no-graze intervals apply
Grassland and forage - harvested	✓	Statutory no-graze intervals apply

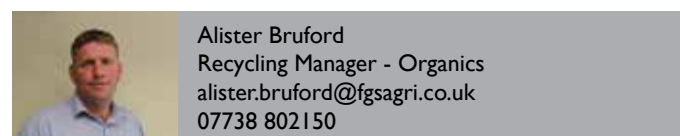
Manure analysis

Application	DM (%)	Total N	NH ₄ -N	Uric acid-N	Nitrate-N	Total P ₂ O ₅	Total K ₂ O	Total SO ₃	Total MgO
kg/t or kg/m ³									
App 1	3.82	5.3	2.86	0	0	1.18	2.52	0.85	2.24

MANNER-NPK Results

Application	Total N (kg/ha)	Mineralised N (kg/ha)	Nitrogen losses (kg/ha)			Crop available N (kg/ha)		N use efficiency (%)
			Nitrate-N	Ammonia-N	Denitrified-N	Current crop	Following crop year 2	
App 1	249	14	6	24	8	110	9	44

Application	Total P ₂ O ₅ (kg/ha)	Available P ₂ O ₅ (kg/ha)	Total K ₂ O (kg/ha)	Available K ₂ O (kg/ha)	Total SO ₃ (kg/ha)	Total MgO (kg/ha)
App 1	55	28	118	95	40	105





Paper Crumble

Life support for your soils



FGS Organics can supply, deliver and spread two different types of paper-based product to land in South East England. These materials are produced at Kemsley Paper Mill in Sittingbourne, Kent as by-products of the paper making process. Our FACTS qualified staff take care of all aspects of the Environment Agency deployment applications, from soil sampling to carrying out environmental risk assessments and writing agricultural benefit statements.



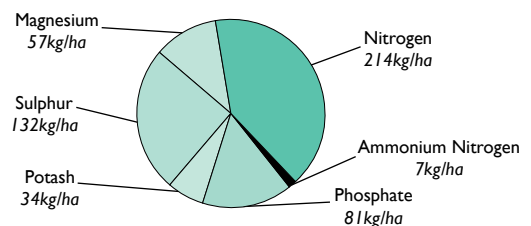
Organic Nutri Sludge

Nutrient rich, biologically digested sludge from the recycling of cardboard. Benefits of Organic Nutri Sludge include:

- source of available nitrogen
- provides small amounts of phosphate, potash & sulphur
- improves soil structure, workability and moisture retention
- gives a boost to a variety of different crops
- good source of organic matter (average 8t/ha)

Average dry matter content: 32%

Organic Nutri Sludge: average kg/ha of nutrients from this product (based on application rate of 40t/ha)



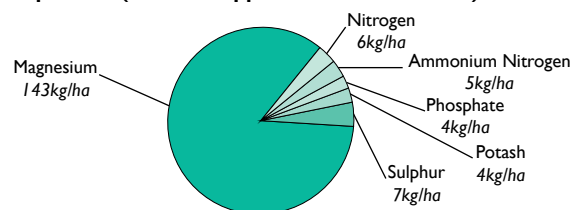
Soil Conditioning Crumb

This is a mechanically recovered fibre from the recycling of white office paper. Benefits of Soil Conditioning Crumb include:

- good liming value
- good source of sulphur as well as other major nutrients
- improves soil conditioning and moisture retention properties
- no odour
- provides high levels of organic matter (average 10t/ha)

Average dry matter content: 64%

Soil Conditioning Crumb: average kg/ha of nutrients from this product (based on application rate of 50t/ha)



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About FGS Organics

FGS Organics has evolved from FGS Agri, our agricultural contracting sister company. We have developed specialist recycling solutions for customers across the local authority, agricultural, industrial, commercial, energy and recycling sectors. We pride ourselves in the quality of service and information that we provide to all our customers, from supplying artificial fertilisers through to complete waste recycling operations. Product development is one of FGS's strengths, whether it is developing alternative markets for products or creating bespoke recycling solutions. Our clients include the utilities, paper recycling, composting and energy production industries among others.

The acquisition of Envar Composting has seen the capacity of our compost operations significantly increase. Based in Cambridgeshire, Envar Composting is the UK's largest waste in-vessel and windrow composting facility, currently processing 105,000 tons per annum. The facility produces quality PAS100 and CQP certified soil conditioner for the agricultural, viticultural and horticultural markets, through the processing of green waste, food waste, co-mingled food and green waste, and specific organic waste. In addition, we continue to supply, deliver and spread our paper based product across the South East and continue to expand our digestate services and operations.

Gypsum

Building better soils

The use of recycled Gypsum is becoming more widespread throughout the UK with the reduction of atmospheric deposits of Sulphur onto UK agricultural land. Sulphur has become one of the main limiting factors to crop yield, limiting the uptake and utilisation of Nitrogen. Recycled Gypsum not only supplies a valuable source of Sulphur and Magnesium but also has major soil conditioning benefits.



Gypsum

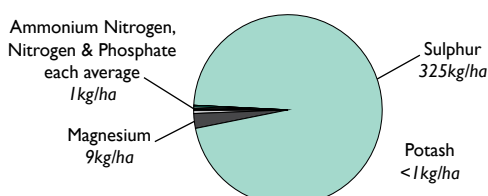
Our recycled Gypsum Powder is produced from Countrystyle's bespoke state of the art recycling facility that recycles plasterboard back into powder to be re-used in the construction industry or diverted to be used in agriculture.

Benefits of Gypsum include:

- supply of sulphur
- increases drainage capacity in soils
- breaks up compacted and saline soils
- improves soil structure
- reduces tillage requirements
- source of organic matter (1t/ha)

Average dry matter: 95%

**Gypsum: average kg/ha of nutrients from this product
(based on application rate of 1t/ha)**



Supply, Delivery & Spreading

FGS Organics are able to provide a complete service for all of our customers, identifying the correct product to suit all crop requirements and farming systems. We complete all the necessary documentation, risk assessments, maps and logistics to ensure the smooth delivery of the material to the farm.

Through our sister companies we are able to offer efficient transport and spreading solutions including delivery of products using rigid tippers or articulated vehicles. FGS Agri have a varied selection of spreading equipment, ranging from self propelled spreaders through to machinery used to spread mulches in orchards, enabling us to provide our customers with the spreading requirements to suit their needs.



Giving Nature a Helping Hand

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Our associate companies:



Sustainable Solutions in Agriculture

